

# I can recall square numbers up to 12<sup>2</sup> and their square roots

By the end of this half term, children should know the following facts. The aim is for them to recall these facts instantly.

$1^2 = 1 \times 1 = 1$	$\sqrt{1} = 1$
$2^2 = 2 \times 2 = 4$	$\sqrt{4} = 2$
$3^2 = 3 \times 3 = 9$	√9 = 3
$4^2 = 4 \times 4 = 16$	√ <mark>16 = 4</mark>
$5^2 = 5 \times 5 = 25$	$\sqrt{25} = 5$
$6^2 = 6 \times 6 = 36$	√36 = 6
$7^2 = 7 \times 7 = 49$	√49 = 7
$8^2 = 8 \times 8 = 64$	√64 = <mark>8</mark>
$9^2 = 9 \times 9 = 81$	√81 = 9
$10^2 = 10 \times 10 = 100$	√100 = 10
11 <sup>2</sup> = <mark>1</mark> 1 x 11 = 121	√121 = 11
12 <sup>2</sup> = 12 x 12 = 144	√ <b>14</b> 4 = <b>1</b> 2

#### What could this look like?





## Key Vocabulary

What is 7 squared?

What is 7 multiplied by itself?

What is the square root of 144?

> Is 30 a square number?

### Things to Try

Around the clock- think of a clock face. What are each of the numbers a square root of? E.g. 12: 12 is the square root of 144. What are each of the numbers squared?

Dice roll- whatever the number lands on, square it

Cards- turn a card over, square it and call out the answer. Can you say the answer quicker than your partner?

### **Useful Websites:**

https://www.topmarks.co.uk/maths-games/hit-the-button

https://mathszone.co.uk/using-applying/puzzles-and-logic-problems/splatsquare100-primary-games-3/

https://wordwall.net/resource/9919606/maths/whack-square